BRUHATH BANGALORE MAHANAGARA PALIKE

PROJECT DIVISSION YELHANKA ZONE

NAME OF WORK :- CONSTRUCTION OF MULTI UTILITY BUILDING FOR ALLALSANDRA SWIMMING POOL IN WARD NO 4

Est. Cost. 200.00 Lakhs

Sl.No	Descriptions	Unit	No		Length	Breadth	Depth	Quantity	Rate	Amount
1	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specification with all lead and lift and directions of the Engineer-In-charge of the work									
	PG1	Cum	1	4	1.50	3.00	1.40	25.20		
	PG2		1	8	3.00	3.00	1.40	100.80		
	PG3		1	8	3.30	3.00	1.40	110.88		
	PG4		1	6	1.50	2.80	1.40	35.28		
	For solid block masonry		1	2	30.00	0.45	1.40	37.80		
	cross walls		1	2	15.00	0.45	1.40	18.90		
	for sanitary line							0.00		
	from ladies change room to parking area		1	1	18.00	0.90	0.80	12.96		
	East to West		1	1	33.00	0.90	1.00	29.70		
	Infront of gate		1	1	15.00	0.90	1.10	14.85		
	From Gents change room to gate		1	1	10.00	0.90	0.80	7.20		
	Upto gate		1	1	8.60	0.90	0.80	6.19		
	for pipeline towards gallery side		1	1	55.00	0.30	0.45	7.43		
			1	2	7.60	0.30	0.45	2.05		
	Towards retaining wall side		1	1	80.00	0.60	1.20	57.60		
	Behind balancing tank		1	1	32.00	0.60	0.80	15.36		
	Backwash pipeline		1	1	22.00	0.60	1.10	14.52		
	Basic rate	283.00				**Total Qty**		**496.72**	**369.82**	**183698.81**
	AD-HOC-21%	59.43								
	Total Rs.	342.43								
	8% Area weightage	27.39								
	Net Total Rs.	**369.82**								
2	Providing and Spreading of Sand with all lead and lift and directions of the Engineer-In-charge of the work									
	PG1		1	4	1.50	3.00	0.15	2.70		
	PG2		1	8	3.00	3.00	0.15	10.80		
	PG3		1	8	3.30	3.00	0.15	11.88		
	PG4		1	6	1.50	2.80	0.15	3.78		

					Total Qty		29.16	2762.58	80556.69
Item no 2.15p age no 6									
Basic rate	2114.00								
AD-HOC-21%	443.94								
Total Rs.	2557.94								
8% Area weightage	204.64								
Net Total Rs.	2762.58								
Providing and filling in foundation with granite / trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specification. with all lead and lift and directions of the Engineer-In-charge of the work									
	Cum								
PG1		1	4	1.50	3.00	0.30	5.40		
PG2		1	8	3.00	3.00	0.30	21.60		
PG3		1	8	3.30	3.00	0.30	23.76		
PG4		1	6	1.50	2.80	0.30	7.56		
Item no 2.13 page no 6					Total Qty		58.32	2790.02	162713.85
basic rate	2135.00								
AD-HOC-21%	448.35								
Total Rs.	2583.35								
8%weightage	206.67								
Total Rs.	2790.02								
Providing and laying in position Plain Cement Concrete of mix 1:3:6 with OPC cement @ 220kgs ,with 40mm and down size graded granite metal coarse aggregates @ 0 .892 cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials,labour, HOM of machinery ,curing complete as per specifications.with all lead and lift and directions of the Engineer-In-charge of the work									
	Cum								
Gents change room & toilets		1	1	4.10	0.30	0.15	0.18		
Gents change room 2		1	1	4.00	0.30	0.15	0.18		
Lobby area		1	1	4.20	0.30	0.15	0.19		
staircase area		1	1	3.40	0.30	0.15	0.15		
Ladies change room		1	1	5.10	0.30	0.15	0.23		
shower side		1	1	0.60	0.30	0.15	0.03		
		1	1	3.50	0.30	0.15	0.16		
		1	1	3.60	0.30	0.15	0.16		
front side of pool		1	1	5.10	0.30	0.15	0.23		
office room		1	1	1.40	0.30	0.15	0.06		
lobby entrance		1	1	9.40	0.30	0.15	0.42		
Gents change room		1	1	1.90	0.30	0.15	0.09		
		1	1	4.10	0.30	0.15	0.18		
PG1		1	4	1.50	3.50	0.15	3.15		

PG2		1	8	3.00	3.00	0.15	10.80		
PG3		1	8	3.30	3.00	0.15	11.88		
PG4		1	6	1.50	2.80	0.15	3.78		
Floor Concrete							0.00		
Gents toilet		1	1	5.95	12.13	0.15	10.83		
Gents change room		1	1	5.95	6.30	0.15	5.62		
		1	1	5.95	3.00	0.15	2.68		
		1	1	4.70	2.70	0.15	1.90		
pool entry							0.00		
lobby		1	1	7.55	3.00	0.15	3.40		
lobby		1	1	5.85	9.35	0.15	8.20		
office room		1	1	8.60	4.90	0.15	6.32		
staircase		1	1	4.90	3.50	0.15	2.57		
ladies toilet		1	1	12.35	7.15	0.15	13.25		
front corridor		1	1	30.60	2.10	0.15	9.64		
Towards retaining wall		1	1	15.00	5.00	0.15	11.25		
Towards building front side		1	1	50.00	17.00	0.15	127.50		
shower side		1	1	12.20	5.00	0.15	9.15		
		1	1	2.00	2.00	0.15	0.60		
Towards electric pencing		1	1	15.00	8.00	0.15	18.00		
					Total Qty		**262.79**	**6594.11**	**1732852.23**
Item no 4.2 page no 12									
basic rate	5046.00								
AD-HOC-21%	1059.66								
Total Rs.	6105.66								
8%weightage	488.45								
total **Rs**	**6594.11**								
5	Providing and constructing precast concrete Solid Blocks with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quion, jamb, closer blocks) with Solid Concrete Blocks of size 40x10x20cms confirming to I.S 2185/1965 in Superstructure including cost of all materials, labour charges, scaffolding, curing complete as per specifications.with all lead and lift and directions of the Engineer-In-charge of the work							-	
	Sqm								
Retaining wall-Towards balancing tank		1	1	14.00	1.60		22.40		
		1	10	3.15	1.30		40.95		
Building B/w piles									
Gents bathroom		1	1	4.10	1.20		4.92		
		1	1	2.45	1.20		2.94		
Lobby		1	1	1.40	1.20		1.68		
office room		1	1	1.40	1.20		1.68		
Ladies change room		1	1	5.10	1.20		6.12		
shower side		1	1	3.60	1.20		4.32		
		1	1	3.50	1.20		4.20		
		1	1	0.60	1.20		0.72		
front side - ladies change room		1	1	5.10	1.20		6.12		

case		1	1	3.40	1.20		4.08		
		1	1	4.20	1.20		5.04		
ents change room		1	1	4.00	1.20		4.80		
ents bathroom		1	1	4.80	1.20		5.76		
wards electrical room		1	1	0.60	1.20		0.72		
		1	1	3.50	1.20		4.20		
		1	1	3.60	1.20		4.32		
Above plinth									
Pool side - Gents bathroom		1	1	5.80	2.80		16.24		
Gents Changer room		1	1	2.45	2.80		6.86		
Taper		1	1	2.85	2.80		7.98		
Lobby		1	1	5.90	2.80		16.52		
Taper		1	1	2.85	2.80		7.98		
Office room		1	1	2.85	2.80		7.98		
Ladies change room		1	1	6.65	2.80		18.62		
Shower side		1	1	5.20	2.80		14.56		
		1	1	5.65	2.80		15.82		
Front side									
Ladies change room		1	1	6.75	2.80		18.90		
staircase		1	1	4.60	2.80		12.88		
Lobby		1	1	5.80	2.80		16.24		
Gents change room		1	1	5.20	2.80		14.56		
Gents bathroom		1	1	5.80	2.80		16.24		
Electrical room		1	1	5.70	2.80		15.96		
		1	1	5.20	2.80		14.56		
Parapet		1	2	30.60	1.20		73.44		
Cross wall		1	2	15.66	1.20		37.58		
Balcony		1	2	2.85	1.20		6.84		
staircase room		1	1	3.80	3.00		11.40		
		1	1	3.80	2.85		10.83		
side wals		1	2	4.92	2.90		28.54		
steps - Front & Back		1	2	2.40	1.20		5.76		
		1	2	2.40	0.85		4.08		
		1	2	2.40	0.50		2.40		
Bathroom		1	2	1.85	1.20		4.44		
		1	2	1.85	0.85		3.15		
		1	2	1.85	0.50		1.85		
infront of balance tank		1	1	1.50	1.20		1.80		
		1	1	1.50	0.85		1.28		
		1	1	1.50	0.50		0.75		
Bathrooms									
Gents		1	1	12.30	2.40		29.52		
		1	7	1.40	2.40		23.52		
Toilets		1	1	5.90	2.40		14.16		
Partitions		1	4	1.40	2.40		13.44		
Urinals		1	1	5.70	2.80		15.96		
Ladies toilet		1	2	5.70	2.80		31.92		

		1	8	1.40	2.80		31.36		
					Total		700.88		
Deductions									
Doors -GB		1	12	0.75	2.10		18.90		
LB		1	8	0.75	2.10		12.60		
office Bathrooms main entry door		1	3	1.20	2.10		7.56		
Main doors		1	2	3.00	2.10		12.60		
Gents toilet & change room Ventilator		1	2	0.45	0.60		0.54		
		1	4	0.90	0.90		3.24		
		1	4	0.60	0.60		1.44		
Ladies change room		1	3	1.45	0.60		2.61		
		1	2	0.60	0.60		0.72		
		1	1	0.90	0.60		0.54		
Window - lobby area		1	2	1.50	1.50		4.50		
Office room & Gents change room		1	2	1.30	1.50		3.90		
Staircase area		1	1	2.40	1.50		3.60		
					Total		72.75		
Item no 4.32 page no16					Net Qty		628.13	1185.27	744502.14
Basic rate	907.00								
AD-HOC-21%	190.47								
Total Rs.	1097.47								
8%weightage	87.80								
Total Rs	1185.27								
Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, Footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications and with all lead and lift and directions of the Engineer-In-charge of the work									
	Sqm							-	
PG1		4	2	2.60	0.90		18.72		
		4	2	1.00	0.90		7.20		
PG2		8	2	2.50	1.20		48.00		
		8	2	2.30	1.20		44.16		
PG3		8	2	2.60	1.20		49.92		
		8	2	2.50	1.20		48.00		
PG4		6	2	2.30	0.90		24.84		
Item no 4.28 page no15		6	2	1.00	0.90		10.80		
Basic rate	231.00				Total Qty		251.64	301.87	75962.77
AD-HOC-21%	48.51								
Total Rs.	279.51								
8%weightage	22.36								
Total Rs	301.87								

viding and removing Centering, shuttering, strutting, propping etc.,and removal of from ork for vertical surface such as walls at any thickness including attched plasters, butresses, inth cills and string courses cost of all materials, labour complete as per specification with ll lead and lift and directions of the Engineer-In-charge of the work									
	Sqm								
Plinth beam - Front & Back		1	2	30.60	0.45		27.54		
End walls		1	2	14.16	0.45		12.74		
Inside-Ladies change room		1	6	6.75	0.45		18.23		
office & staircase		1	6	4.66	0.45		12.58		
Lobby		1	6	5.90	0.45		15.93		
Gents change room		1	6	5.79	0.45		15.63		
Gents toilet		1	6	5.80	0.45		15.66		
Cross beams - ladies change room to gents change room		1	10	6.10	0.45		27.45		
		1	10	5.80	0.45		26.10		
Lobby extra		1	2	5.90	0.45		5.31		
office room & staircase		1	2	2.80	0.30		1.68		
Shuttering FOR BEAMS		1	2	14.16	0.20		5.66		
Gents bathrooms		1	2	6.30	0.20		2.52		
		1	2	3.84	0.20		1.54		
bottom of doors		1	12	0.75	0.15		1.35		
ladies change room		1	2	6.30	0.15		1.89		
bottom		1	8	0.75	0.15		0.90		
Gents change room		1	2	0.60	0.15		0.18		
		1	2	0.90	0.15		0.27		
		1	2	0.60	0.15		0.18		
		1	3	1.45	0.15		0.65		
		1	2	0.60	0.15		0.18		
		1	1	0.90	0.15		0.14		
		1	1	2.50	0.15		0.38		
		1	2	1.30	0.15		0.39		
		1	1	1.50	0.15		0.23		
Entry door		2	2	2.40	0.15		1.44		
Bathroom		2	2	1.00	0.15		0.60		
office room		1	2	1.00	0.15		0.30		
Roof beams towards portico B1 & B6		1	2	30.66	0.60		36.79		
INSIDE		1	12	5.80	0.45		31.32		
Gents toilet		1	12	5.82	0.45		31.43		
Lobby		1	12	5.90	0.45		31.86		
office room		1	10	4.72	0.45		21.24		
ladies change room		1	12	5.70	0.45		30.78		
portico		1	2	2.85	0.60		3.42		
INSIDE		1	2	2.55	0.45		2.30		
cross beams		1	10	1.85	0.45		8.33		
		1	10	2.70	0.45		12.15		
		1	10	2.70	0.45		12.15		
		1	10	2.45	0.45		11.03		
		1	10	2.45	0.45		11.03		
Towards pool		1	14	1.15	0.45		7.25		
Retaining wall towards balancing tank		1	2	13.50	0.45		12.15		
Wall		1	2	13.50	2.30		62.10		

[illegible]ower side		1	2	16.50	0.45		14.85		
		1	2	16.00	4.50		144.00		
		1	2	6.50	0.45		5.85		
		1	2	6.50	4.50		58.50		
		1	2	2.50	0.45		2.25		
[illegible]wall		1	2	2.50	4.50		22.50		
[illegible]Building staircase							0.00		
[illegible]1st flight		1	1	3.15	1.60		5.04		
[illegible]2nd flight		1	1	4.15	1.60		6.64		
[illegible]landing		1	1	3.25	1.60		5.20		
[illegible]Raiser		1	22	1.60	0.15		5.28		
					Total Qty		**793.06**	**409.03**	**324382.63**
[illegible]Item no-4.18 page no15									
[illegible]Basic rate	313.00								
[illegible]AD-HOC-21%	65.73								
[illegible]Total Rs.	378.73								
[illegible]5%weightage	30.30								
[illegible]Total Rs	**409.03**								
[illegible]Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in chargeShuttering coloumns									
	Sqm								
[illegible]columns		1	20	1.80	2.80		100.80		
		1	6	0.94	2.80		15.79		
[illegible]dummy columns		1	18	1.80	1.20		38.88		
		1	6	0.94	1.20		6.77		
		1	2	1.80	3.00		10.80		
[illegible]Lintel beams-front side		1	2	30.43	0.20		12.17		
		1	2	3.43	0.20		1.37		
		1	2	14.16	0.20		5.66		
[illegible]Item no 4.32 page no16					**Total Qty**		**192.25**	**478.29**	**91950.07**
[illegible]Basic rate	366.00								
[illegible]AD-HOC-21%	76.86								
[illegible]Total Rs.	442.86								
[illegible]5%weightage	35.43								
[illegible]Total Rs	**478.29**								
[illegible]3 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs landings balconies and likes thickness upto 200 mm including cost of all materials labour complete as per specifications upto 3.50m from Ground level with all lead and lift and directions of the Engineer-In-charge of the work									
	Sqm								
[illegible]Roof slab									
[illegible]Gents toilet		1	1	16.10	5.80		93.38		
[illegible]Gents change room		1	1	16.10	5.78		93.06		

[illegible]		1	1	18.95	5.90		111.81		
Office room		1	1	12.90	4.70		60.63		
ladies room		1	1	16.10	6.70		107.87		
Item no 4.18 page no15					Total Qty		466.74	409.03	190911.14
Basic rate	313.00								
ADHOC-21%	65.73								
Total Rs.	378.73								
8%weightage	30.30								
Total Rs	**409.03**								
Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregares of ready mixef concrete for RCC works laid in 15 cms thick layers and well compated including vibrating, curing,etc., with all lead and lifts etc complete(excluisive of cost of steel and fabrication charges) Ready Mixed Cement Concrete for Beams, Staircase and Roof with M-25(for Staircase) with all lead and lift and directions of the Engineer-In-charge of the work									
Building pile	Cum	1	1	64.00	0.28	1.00	17.92		
		1	1	12.00	0.19	1.00	2.28		
PS1		1	4	2.60	1.00	0.90	9.36		
PS2		1	8	2.50	2.60	1.20	62.40		
PS3		1	8	2.60	2.50	1.20	62.40		
PS4		1	6	2.30	1.00	0.90	12.42		
							0.00		
PLINTH BEAM		1	4	30.65	0.30	0.45	16.55		
Main wall		1	1	6.50	0.30	0.45	0.88		
Cross wall		1	6	14.50	0.30	0.45	11.75		
staircase side		1	1	4.75	0.20	0.30	0.29		
columns		1	20	0.60	0.30	2.85	10.26		
		1	1	6.00	0.07	2.85	1.20		
Lintel							0.00		
Ladies toilet front		1	1	6.60	0.15	0.20	0.20		
Ladies toilet back		1	1	6.75	0.15	0.20	0.20		
Office room front		1	1	2.52	0.15	0.20	0.08		
Biw office & staircase		1	1	5.00	0.15	0.20	0.15		
Stairfront		1	1	4.70	0.15	0.20	0.14		
Pool entry		1	1	5.60	0.15	0.20	0.17		
Main door entrance		1	1	5.90	0.15	0.20	0.18		
Gents toilet change room		1	1	3.70	0.15	0.20	0.11		
Back side		1	1	5.79	0.15	0.20	0.17		
Ladies front toilet front		1	2	5.80	0.15	0.20	0.35		
Cross walls		1	5	5.15	0.15	0.20	0.77		
		1	4	5.40	0.15	0.20	0.65		
W & C main wall		1	2	6.30	0.15	0.20	0.38		
Gents toilet		1	2	5.75	0.15	0.20	0.35		
Gents shower		1	1	6.00	0.15	0.20	0.18		
Staircase & office room		1	1	5.00	0.15	0.20	0.15		

[illegible]		1	1	30.60	16.25	0.15	74.59		
Roof beams		1	6	16.25	0.30	0.45	13.16		
		1	7	20.60	0.30	0.45	19.47		
Dummy columns		1	18	0.30	0.60	1.20	3.89		
		1	2	0.30	0.60	3.00	1.08		
		1	1	6.00	0.07	1.20	0.50		
Floor Concrete							0.00		
Gents toilet		1	1	5.95	12.13	0.10	7.22		
Gents change room		1	1	5.95	6.30	0.10	3.75		
		1	1	5.95	3.00	0.10	1.79		
(5+4.4)/2		1	1	4.70	2.70	0.10	1.27		
pool entry							0.00		
lobby (9.4+5.7)/2		1	1	7.55	3.00	0.10	2.27		
lobby		1	1	5.85	9.35	0.10	5.47		
office room		1	1	8.60	4.90	0.10	4.21		
staircase		1	1	4.90	3.50	0.10	1.72		
ladies toilet		1	1	12.35	7.15	0.10	8.83		
front corridor		1	1	30.60	2.10	0.10	6.43		
shower side		1	1	12.20	5.00	0.15	9.15		
		1	1	2.00	2.00	0.10	0.40		
Electrical motors support		1	3	1.00	1.00	0.75	2.25		
Pipe supports		1	3	0.60	0.45	0.60	0.49		
		1					0.00		
Building front side		1	1	50.00	17.00	0.10	85.00		
side of Electrical station		1	1	7.60	7.30	0.10	5.55		
		1	1	7.50	4.00	0.10	3.00		
Item no 4.12 page no 13					Total Qty		473.38	8320.40	3938681.00
Basic rate	6367.00							-	
AD-HOC-21%	1337.07								
Total Rs.	7704.07								
8%weightage	616.33								
Total Rs	**8320.40**								
Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.TMT Bars Fe 500 with all lead and lift and directions of the Engineer-In-charge of the work									
	Qtl								
Take 127kg/cum				473.38*127kg/cum			601.18		
					Total Qty		601.18	7903.53	4751442.00
Basic rate	6048.00								
AD-HOC-21%	1270.08								
Total Rs.	7318.08								
8%weightage	585.45								
Total Rs	**7903.53**								

Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.For Outside Plastering with all lead and lift and directions of the Engineer-In-charge of the work									
	Sqm								
Front & Back side		2	1	30.60	3.40		208.08		
Front side									
End walls		1	2	12.75	3.40		86.70		
Parapet		1	2	30.60	2.55		156.06		
Balcony		1	2	3.00	2.55		15.30		
End walls		1	2	16.15	2.55		82.37		
Front & Back inside beam		2	1	30.60	0.45		27.54		
Balcony portion		2	1	5.90	0.45		5.31		
		2	1	2.85	0.45		2.57		
Dummy columns		1	14	1.80	1.20		30.24		
Staircase headroom		1	2	5.00	3.00		30.00		
		1	2	3.60	3.00		21.60		
Item no 15.15 and 15.28 page no113,114					**Total Qty**		**665.76**	**335.85**	**223593.90**
Basic rate	257.00								
Add-HDC-21%	53.97								
Total Rs.	310.97								
Wastage	24.88								
Total Rs	**335.85**								
Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.For Outside Plastering with all lead and lift and directions of the Engineer-In-charge of the work									
	Sqm								
Gents change room		1	1	31.70	3.25		103.03		
Beams		3	2	5.95	0.45		16.07		
Gents bathrooms		1	1	12.25	3.25		39.81		
Cross wall		1	2	5.95	3.25		38.68		
Urinal portion		1	1	6.10	3.25		19.83		
Bathrooms		1	1	12.25	2.45		30.01		
		1	2	6.00	2.45		29.40		
Endwall Urinals		1	1	1.80	2.45		4.41		
Endwall at Bathrooms		1	1	1.20	2.45		2.94		
Bathrooms		1	8	3.70	2.45		72.52		
		1	4	5.10	2.45		49.98		
Ladies change room		1	2	12.25	3.25		79.63		
		1	2	7.10	3.25		46.15		